TEVDOKIMOV, I.I.; ALEKSEYEV, V.D.; ASHIKHMIN, A.K.; BAYEV, N.V.; BEGLAR'YAN, P.A.; BYCHKOV, I.A.; VESLOVA, Ye.T.; VYZHEKHOVSKAYA, M.F.; GURZTSKIY, S.A.; DEMIDOV, I.M.; YESIPOV, Ye.P.; ZHUKOV, V.D.; ZELINSKIY, M.G.; ZOL'NIKOV, F.T.; ZOLOTOVA, L.I.; KIVIN, A.N.; KOMARNITSKIY, Yu.L.; KONSTANTINOV, A.N.; KUL'CHITSKAYA, A.K.; MAKSIMENKO, I.I.; MELENT'YEV, A.A.; MOROZOV, I.G.; MURZINOV, M.I.; OZEMBLOVSKIY, Ch.S.; OSTRYAKOV, K.I.; PANINA, A.A.; PAVLOVSKIY, V.V.; PKRMINOV, A.S.; PERSHIN, B.F.; PRONIN, S.F.; PSHENNYY, A.I.; POKROVSKIY, M.I.; RASPONOMAREV, Ye.A.; SEMIN, I.N.; SKLYAROV, Yu.N.; TIBABSHEV, A.I.; FARBEROV, Ya.D.; FEDOROV, G.P.; SHUL'GIN, Ya.S.; YAKIMOV, I.A.; VERINA, G.P., tekhn.red.

[Labor feats of railway workers; stories about the innovators]
Trudovye podvigi zheleznodorozhnikov; rasskazy o novatorakh. Moskva,
Gos.transp.zhel-dor.izd-vo, 1959. 267 p. (MIRA 12:9)
(Railroads) (Socialist competition)

### KUL CHITSKAYA, A.T.

Convallatoxin therapy of patients with chronic circulatory insufficiency. Vrach.delo no.8:859-860 Ag '59. (MIRA 12:12)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - zasluzhennyy deyatel' nauki, prof. M.A. Yasinovskiy) lechebnogo fakul'teta Odesskogo meditsinskogo instituta.

(CONVALIATOXIN) (CARDIOVASCULAR SYSTEM--DISEASES)

TARKOVSKIY.Q.V.; GOMOLYA, Ye.K.; KUL'CHITSKAYA, D.O.; OSIPENKO, I.S.; MINIOVICH, I.A., assistent

Advanced training for pharmacists in the Department of Pharmacy of the Kiev Institute of Advanced Training for Physicians. Apt.delo 6 no.5:59-60 S-0 '57. (MIRA 10:11)

1. Kafedra tekhnologii lekarstvennykh form i galenovykh preparatov (for Miniovich)
(KIEV--PHARMACY--STUDY AND TRACHING)

KUL GHITSKAYA, I.B.; KUZNETSOVA, N.B.

Durability of steel-pouring ladle stoppers. Ogneupory 27 no.3:112-114 '62. (MIRA 15:3)

 Nizhne-Tagil'skiy metallurgicheskiy kombinat. (Open-hearth furnaces--Equipment and supplies) (Refractory materials)

GHYAPTEMAN, I.Sh.; MIKHAYLOV, Yu.F.; PAPAKIN, Kh.M.; VYFECHA, Zh.A.;
KUZNETSOVA, N.V.; VISLOGUZOVA, E.A.; KUL'CHITCKATA, I.B.

Optimum apparent density of steel pouring stoppers made by the stiff mud process. Ogneupory 30 no.6:9-14 '65.

1. Vostochnyy institut ogneuporov (for Shvartsman, Mikhaylov).
2. Nichne-Tagll'skiy metallurglcheskiy kombinat imeni Lenina (for Papakin, Vydrina, Kuznetsova, Visloguzova, Kul'chitskeya).

S/065/60/000/007/003/008/XX E194/E484

Pokhozhayev, V.D., Zaglodin, L.S. Golov, G.S. and **AUTHORS:** 

Kulichitskaya, I.V.

The Principles of the Rational Use of Hydrogen in TITLE:

Processes of the Hydrodesulphurization of Engine Fuels

DESTRUCTION OF THE SECOND OF THE PROPERTY OF T

PERIODICAL: Khimiya i tekhnologiya topliv i masel 1960, No.7,

pp .1-6

The output of high sulphur crudes is increasing and accordingly there is increasing demand for hydrosulphurization. Work on the development of a practical industrial hydrodesulphurization process for crude and distillates is being carried on in a number of research institutes including the All. Union Research Institute of the Petroleum Industry and the Groznyy Scientific Research Institute. The first plant has been developed by the design institute Giproneft' on the basis of data supplied by the All-Union Scientific Research Institute of the Petroleum Industry. A hydrodesulphurizing plant is operating successfully on an oil refinery. \\ The process is being further developed by the Lengiprogaz Institute. Distillates are hydrofined on aluminium-cobalt-molybdenum catalyst in the presence of hydrogen at a temperature of 340 to 420°C and pressures Card 1/3

S/065/60/000/007/003/008/XX E194/E484

The Principles of the Rational Use of Hydrogen in Processes of the Hydrodesulphurization of Engine Fuels

from 20 to 50 atm using the circuit sh wn in Fig.1. The procedure is described. Use of hydrodesulphurization is limited by lack of hydrogen and possible sources of hydrogen on refineries are discussed. The hydrogen content of available gas varies considerably depending The hydrogen content of the gas upon the method of production. also varies during the actual process of hydrodesulphurization as the hydrogen is used up and must be replaced part way down the circuit. Analyses of circulating gas are given in Table 1 and curves of the consumption of 100% hydrogen as function of its content in the circulating gas and discharge from the first reactor are given in Fig.2. Reaction and bailast gases accumulate in the circulating gas and the concentration of hydrogen falls. accordingly necessary to extract part of this circulating gas and to This increases the hydrogen replace it by gas containing hydrogen. consumption because the used circulating gas is used for fuel. developing technological circuits for hydrodesulphurization of various petroleum fractions, the specific properties of the individual feed stocks should be considered in relation to the Card 2/3

S/065/60/000/007/003/008/XX E194/E484

The Principles of the Rational Use of Hydrogen in Processes of the Hydrodesulphurization of Engine Fuels

。 一种主义,是是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是

concentration of hydrogen in the circulating gas. several hydrodesulphurization installations each consisting of two If a refinery has units, several types of fuel may be treated simultaneously each requiring different concentrations of hydrogen in the circulating gas, matters being arranged so that gas extracted from units requiring a higher concentration of hydrogen is delivered to units requiring a lower concentration and so on, see diagram of Fig. 4. If the extracted gas is used for fuel in the usual way, the hydrogen consumption necessary in the hydrodesulphurization of various fuels is given in Table 2; the corresponding figures when the series system is used are given in Table 3. each ton of engine fuel refined there is an economy of 3.2 kilograms Thus in a refinery treating six million tons of sulphur-containing crude a year which produces about two million tons of engine fuel requiring hydrodesulphurization, the use of the series hydrodesulphurization circuit gives an economy of 6400 tons There are 4 figures and 3 tables. ASSOCIATION: Lengiprogaz

PINSKAYA, R.M.; BASHTA, A.S., EPSHTEYN, P.D.; ROSLIK, S.M.; ARENZON, P.Ya.; KORSUNSKYA, R.M.; VASINA, I.N.; CHEKRYGINA, N.I.; VISHNEVSKAYA, Z.Ya.; KUL'CHITSKAYA, I.Ya.

Treatment of patients with tuberculous meningitis without subarachnoid administration of antibacterial preparations.

Probl.tub. 38 no.1:60-67 \*60. (MIRA 13:10) (MENINGES-TUBERCULOSIS)

THE PROPERTY OF THE PROPERTY O

KUL'CHITSKAYA, L. G.: Master Med Sci (diss) -- "The effect of streptomycin in the course of experimental cholecystitis". Khar'kov, 1958. 11 pp (Khar'kov State Med Inst), 200 copies (KL, No 6, 1959, 144)

KOVSHAR', F.V., prof.; OL'GINA, F.P., dotsent; KIT, S.M., dotsent; KUL'CHITSKAYA, L.G.; GAYEVIY, M.D.

Data from a clinical and an experimental investigation of the properties of reserpine. Vrach.delo no.1:91 '60. (MIRA 13:6)

1. Kafedra farmakologii (zav. - prof. F.V. Kovshar') i kafedra gospital'noy terapii (zav. - prof. Ya.V. Borin) Stanislavskogo meditsinskogo instituta.

(HESERPINE) (HYPERTENSION)

KIT, S.M.; KUL'CHITSKAYA, L.G.

Effect of reserpine on the higher nervous activity in white rats.
Farm.i toks. 23 no.6:475-480 N-D '60. (MIRA 14:3)

1. Kafedra farmakologii (zav. - prof. F.V.Kovshar') Štanislavskogo meditsinskogo instituta.

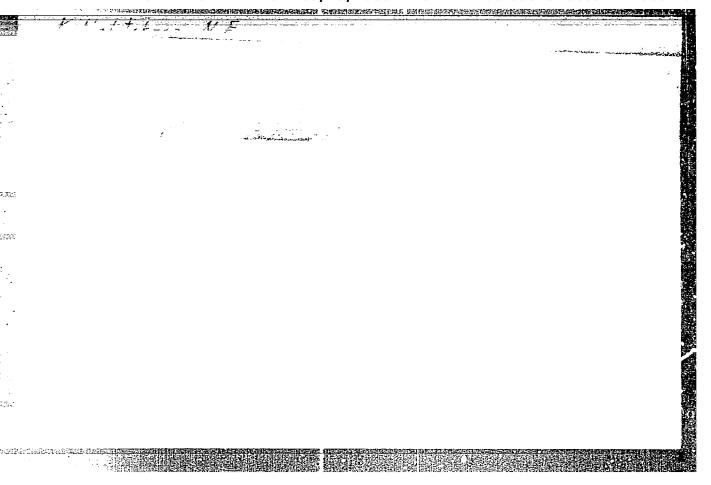
(CONDITIONED RESPONSE) (RESERPINE)

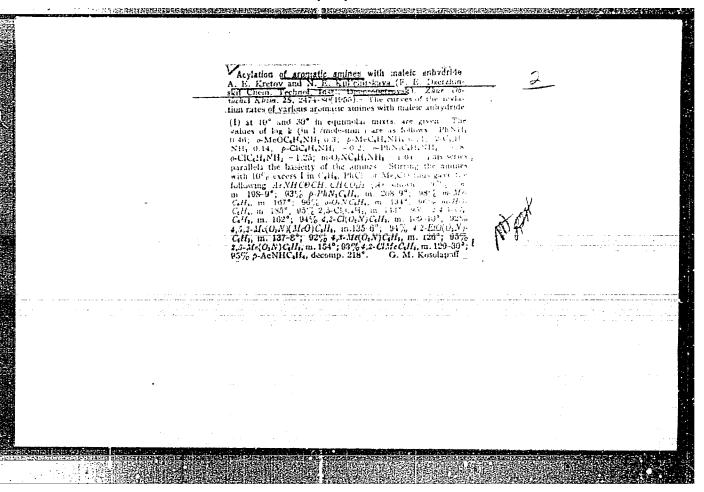
KUL'CHITSKAYA, N. Ye.

"Reaction of Maleic Anhydride With Aromatic Amines." Cand Chem Sci, Dnepropetrovsk Chemicotechnological Inst, Dnepropetrovsk, 1954. (RZhKhim, No 22, Nov 54)

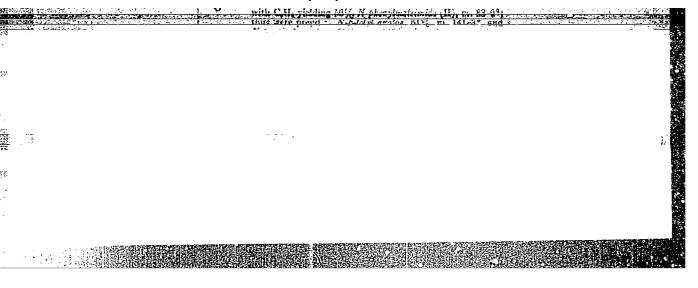
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

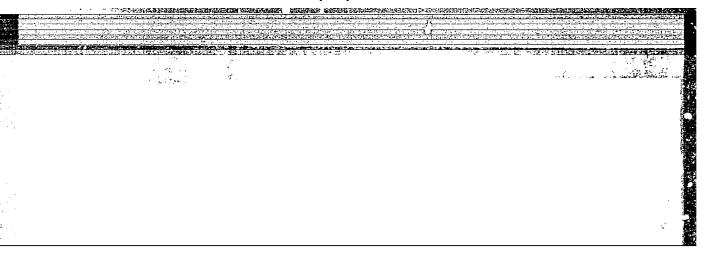
SO: Sum. No.521, 2 Jun 55

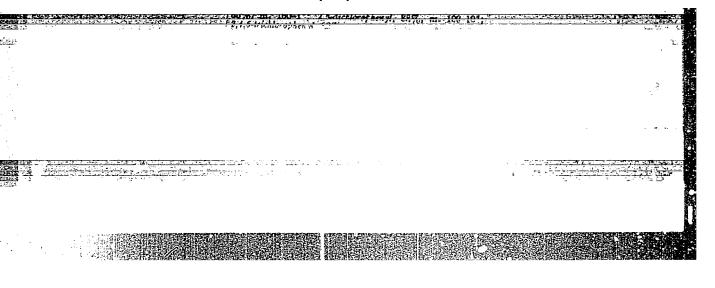




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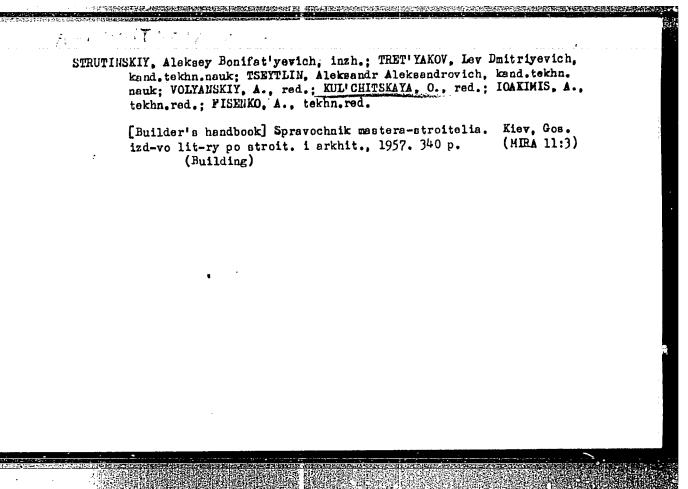


KRETOV, A. Ye.; KULichitskaya, M.Ya.; Malipa, A.F.

Isomerism of N.arylmaleimides. Zhur.ob.khim. 31 no.8:2588-2594 Ag '61.

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

(Maleimide)



VIDUYEV, Nikolay Grigor'yevich; RAKITOV, Daniil Ivanovich; GRZHIBOVSKIY, Vladislav Pavlovich; KRUMELIS, Vsevolod Andreyevich; PODREZAN, Vladimir Viktorovich; KUL'CHITSKAYA, O., red.; LYAMKIN, V., tekhn.red.

[Fundamentals of geodetic layout operations] Osnovy geodesicheskikh razbivochnykh rabot. Izd.2., ispr. i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. U.S.S.R., 1960. 469 p.

(MIRA 13:11)

(Surveying)

(Building)

YAMPOL'SKIY, Leonid Semenovich; KOZLOVSKAYA, Yadviga Kazimirovna; KUL'CHITSKAYA, O., red.; LEUSHCHENKO, N., tekhn. red.

[Civil engineering; an English language textbook] Civil engineering; uchebnoe posobie po angliiskomu iazyku.

Kiev, Gosstroiizdat, 1962. 338 p. (MIRA 16:7)

(Civil engineering)

RUL'CHITSKAYA, O.I. [Kul'chyte'ka, O.I.]

Peculiarities in the development of shame in preschool children.
Mauk. zap. Mauk.-doel. inst. psykhol. 11:275-27 159.

(MIRA 13:11)

1. Institut psikhologii, Kiyev.

(Shame)

VOSTROKNUTOV, Ye.; KUL'CHITSKAYA. V.

Repairing tubless tires. Avt. transp. 37 no.5:22-24 My '59.

(MIRA 12:8)

(Tires, Rubber--Maintenance and repair)

KULICHITSKAYA, V.S. FOMICHEV, P.M., tekhnicheskiy redaktor [Soviet live stock in numbers: a statistical manual] Chidlennost skota v SSSR; statisticheskii sbornik. Moskva, Gos.stat.izd-vo, (MLRA 10:8) 1957. 618 p. U.S.S.R.) TSentral'noye statisticheskoye 1. Russia (1923upravleniye. (Stock and stockbreeding -- Statistics)

> CIA-RDP86-00513R000927410002-6" APPROVED FOR RELEASE: 08/23/2000

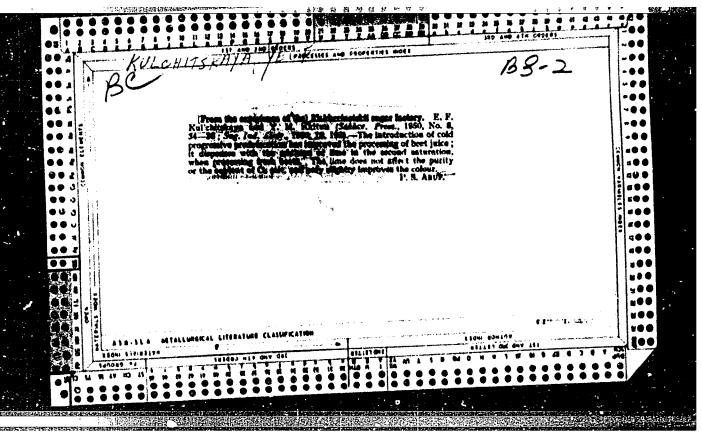
GORDIIENKO, V.V.; KUL'CHITSKAYA, Ye.A.

Find of iron ilmenorutile and some characteristics of the isomorphism of titanium, iron, niobium, and tantalum in the isomorphism of min. Kol'. poluost. 2:133-139 '62.

rutile group. Mat. po min. Kol'. poluost. 2:133-139 '62.

(Kola Peninsual—Ilmenorutile)

(Kola Peninsula—Isomorphism)



KHITUN, G.M.; KUL'CHITSKAYA, Ye.F.

Practical application of work nomograms for the diffusion battery. Sakh.
prom. 27 no.9:26-28 '53.

1. Zhdanovskiy sakharnyy zavod. (Sugar industry)

EGISTISTATA, Ya. K.: "The productivity of oil wells using under pressure for Aquaits with various lithele deal standards of the stratum." All-Union Fetreleum-Gos Sei stan Inst (VIII). Noncou, 1996 (Obserts Stens for the Dags of Camidans in Sec sical Sciences).

30: Keishnava letopis! No. 22, 1995

RUL'CHTTSKAYA, Yu.K.; LITVINOV, A.A.

Interference of production and injection wells. Weft. khoz. 38 no.11:6-10 N '60. (MIRA:4:4)

(Romashkino region—Oil field flooding)

11-2

KUL'CHITSKAYA, ZA.

USER/Cultivable Plants - Crains.

Also Jour : Ref Chur - Btol., No 3, 1998, 10705

Author : Kul'chitekara Kein

Inst : Remonsk. Testing and Colecting Station.

Title : Doring Macat Selection.

orig Pub : Tr. po selektofi, agrotekhn. i zashehite vast. Remonsh.

opyth -selekts, st., 1956, 5, 75-39.

Abstract : This is a review of the barie hard and soult spring shout

material used on the Ramonck Tecting and Telecting Station from 1947 to 1954. A description is given of two varieties Ramonshaye 5043 and Ramonckeye 19, which have been turned

over to the state for testing.

Card 1/1

Ku	I'chitokaya, Z.A.
KU	L'CHITSKAYA, Z.A., kand. sel'skokhozyaystvennykh nauk.
1	Intravarietal culling of Ramonskii-77 peas. Agrobiologiia no.6:124-126 (MIRA 10:12) N-D '57.
	l. Ramonskaya opytno-selektsionnaya stantsiya, Voronezhskaya stantsiya. (Pea breedomg)

YAKOVIEV, A.D.; KUL'CHITSKAYTE, Ye.I.

Hardering of soft epoxide resins by a carboxyl containing methacrylic copolymer in films. Izv.vys.uch.zav.; khim.i khim.tekh. 5 no.4:642-646 '62. (MIRA 15:12)

l. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, kafedra tekhnologii lakov i krasok.

(Epoxy resins)

(Polymers)

TORDANOV, d.. inze.; TORDADVe, N., inch.; KULURITERI, b.

Hitronamentation of Rosearbon alleyed construction steel.

Ref mnostroeme 13 mo.4:9-15 % p 464.

CIA-RDP86-00513R000927410002-6

3/005/63/000/001/001/001 0274/0308

AUTHORS:

Yordanov, D., Engineer, Stafanova, N., Kulchitski,

V. and Iliev, Lozan

TITLE:

Introduction of gas cyanization of structural steel in the State Machine building Plant at Kolarovgrad

PERIODICAL:

Mashinostroene, no. 1, 1963, 12-18

The experiments were carried out with round specimens made of medium-carbon alloy steel 40X (40Kh), in U-105 (Ts-105) furnaces at a temperature of 790-840°C. During the gas cyanization, petrol and liquid ammonia entering the furnace from different points were used as the active gas. The petrol was fed in by a dropper, while the consumption of ammonia was read on a rheometer charged with toluene. Best results with respect to the diffusion of carbon and nitrogen in the surface layer of the specimens were obtained by using an optimum quantity of 250-300 drops/min of petrol and 14 liters/min of ammonia. Under these conditions the layer attains its highest durability and stability, and a higher strength

Card 1/2

Introduction of gas ...

B/005/63/000/001/001/001 D274/D308

of wear than when a liquid cyanization is applied. The duration of the process of saturation must not exceed 100-110 minutes, when the required layer of 0.25 mm thickness is obtained. This process cuts the time of liquid cyanization by 15-20%. During the optimum conditions of the process an E-phase in the structure of the diffusion layer does not exist i.e. the strength of the specimens is higher, and the transition to the core is smoother. The fatigue limit of the specimens was 57.1 kg/mm<sup>2</sup>. The effect of gas cyanization on the deformation of different machine parts was within the admissible limits. There are 12 figures and 6 tables.

Card 2/2

TSELINKO, M.G. (Zhitomir); OREKHOV, V.P. (Ryazan'); PANICH, K.I.;

FEDOROV, I.V. (g. Kurgan); KUL'CHITSKIY, A.P. (g. Kurgan); A.M.

(pos. Tovarkovskiy Bogoroditskogo rayona, Tul'skoy oblasti); GALLOVA,

M. (Bratislava, Chekhoslovatskaya Sotsialisticheskaya Respublika;

YANOVICH, I. (Bratislava, Chekhoslovatskaya Sotsialisticheskaya

Respublika); KADLECHIK, I. (Bratislava, Chekhoslovatskaya Sotsialisticheskaya Respublika); PETRAK, M. (Bratislava, Chekhoslovatskaya Sotsialisticheskaya Respublika); PRITOKA, O. (Bratislava, Chekhoslovatskaya Sotsialisticheskaya Respublika); LBOV, A.G.

Suggestions and advice. Fiz. v shkole 22 no.6:62-64, 96 N-D '62. (MIRA 16:2)

1. 636-ya shkola, Moskva (for Panich). 2. Chkalovskaya srednyaya shkola Gor'kovskoy oblasti (for Lbov).

KUL CHITSKIY, A. V.

Wheat

Asexual hybridization of winter wheat. Sel. i sem. 19 no. 3. 1952.

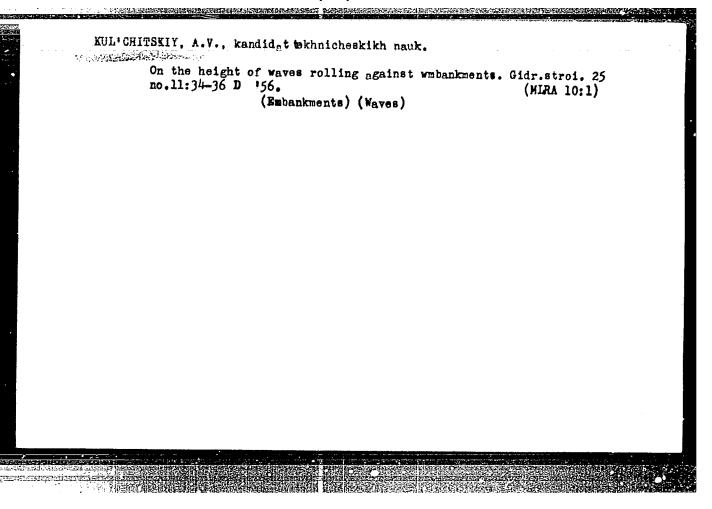
9. Monthly List of Russian Accessions, Library of Congress, June 1952 1955, Uncl.

KUL! CHITSXIY, A. V.

Turbulence and Dynamic Meterorology

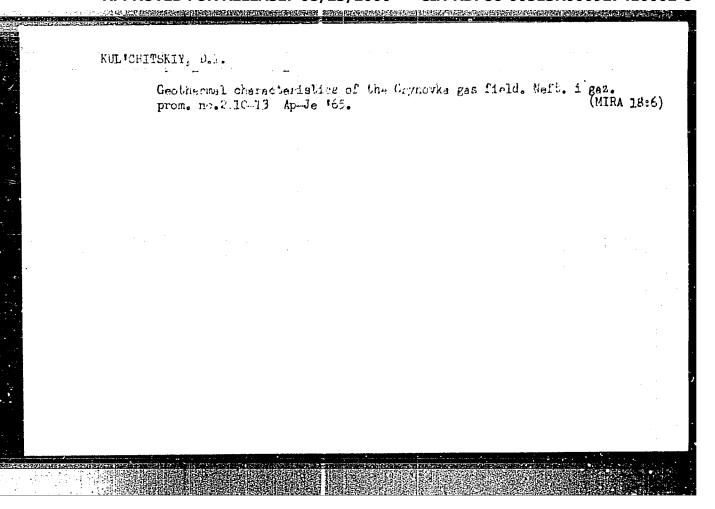
Dissertation: "An Investigation of Ground Velocities of Wind Waves in the Zone of Their Deterioration on Hydraulic Structures With a Sloping Wall." Cand Tech Sci. Moscow Construction Engineering Inst, Moscow, 1953. (Referativnyy Zhurnal--Mekhanika, Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954



Method for controlling the sugar beet nematode. Zashch. rast. ot vred. i bol. 4 no.5127 S-O '59. (MIRA 16:1)

1. Uladovskiy sveklosovkhoz Vinnitskogo sakharotresta. (Sugar beets-Diseases and peste)
(Nematode diseases of plants)



MALIGINOV, S.I., inche; KULICHITSKIY, G.B., inch.

Precast reinforced concrete tunnels for industrial piping, Prom. stroi. 42 no.2:42 '65. (MIRA 18:4)

ZAK, L.I.; KUL'CHITSKIY, G.Ts.

Mechanization of grain stock taking. Spirt.prom. 20 no.2:34 '54.
(NLRA 7:6)

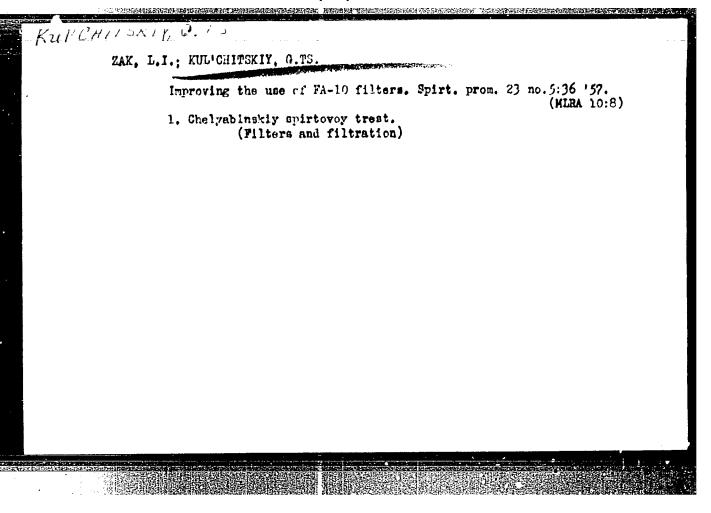
(Grain---Storage)

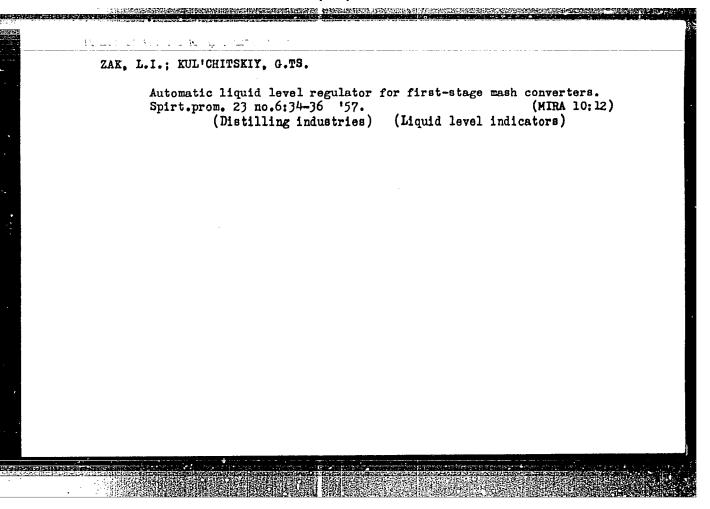
ZAK, L.I.; KUL'CHITSKIY, G.Ts.

Mechanized preparation and feeding of grain into steeping tanks.

Spirt.prom. 20 no.4:41 '54. (MLRA 7:12)

(Distilling industries)





ZAK, L.I.; RUL/CHITSKIY, G.Te.

Conveying boxes containing bottles and finished porducts in liqueur and vodka plants. Spirt.prom. 23 no.8:17-18 '57.

(MIRA 11:1)

(Idquor industry—Equipment and supplies)

(Conveying machinery)

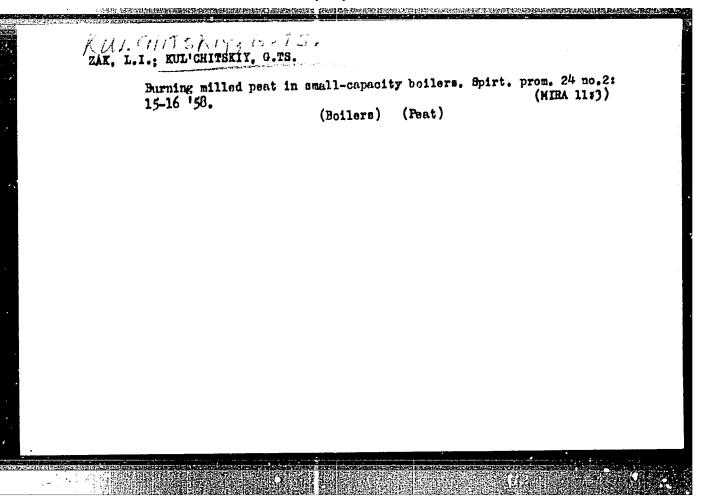
ZAK, L.I.; KULICHITSKIY, G.TS.

Regulation of temperature in the mash converter. Spirt. prom. 24 (MIRA 11:3)

1.Chelyabinskiy sovnarkhos.

(Distilling industries--Mquipment and supplies)

(Thermostat)



KUL'CHITSKIY, I.F. [Kul'chyts'kyi, I.F.]

Rakhmanov's improved parturient bed. Ped. Akush. i gin. 24 no.6:61 '62. (MIRA 17:4)

1. Rodil'noye otdeleniye (zaveduyushchiy I.F. Kul'chitskiy) Rudkovskoy rayonnoy bol'nitsy (glavnyy vrach M.D. Gnip [Hnyp, M.D.]) L'vovskoy oblasti.

Forms of variation in the blood supply of the human pancreas [with summary in English. p.156] Vest.khir. 77 no.5:8-12 My '56.

1. Is kafedry operativnoy khirurgii i copograficheskoy anatomii (sav. prof. S.T.Movitskiy) Kiyevskogo ordena Trudovoge Krasnogo Znameni meditsinskogo instituta imeni akademika A.A.Bogomol'tea (PANCHEAS, blood supply, variability of vascularization (Rus))

F-3

FOLAND / Microbiology. Microorganisms Pathogonic to Humans and Animals.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33902

Author : Kostshenskiy, Kulchitskiy, Paklerskaya-Pobratyn

Inst : Not given

: Evaluation of the Increase in Streptomycin Resistance of

Tubercle Bacilli in Primary and Secondary Cultures, Based

on Experiments Conducted in 1954-1955.

Orig Pub : Gruzlice, 1957, 25, No. 1, 9-21.

Abstract: The streptomycin resistance of tubercle bacilli (TB)
isolated from patients in 1954-1955 was determined. Cultures were considered resistant to streptomycin when
grown on media containing 10 or more units of streptomycin
(I) por ml. Statistical treatment of results indicates a

quantitative increase of resistent strains in 1955 in primary

Card 1/2

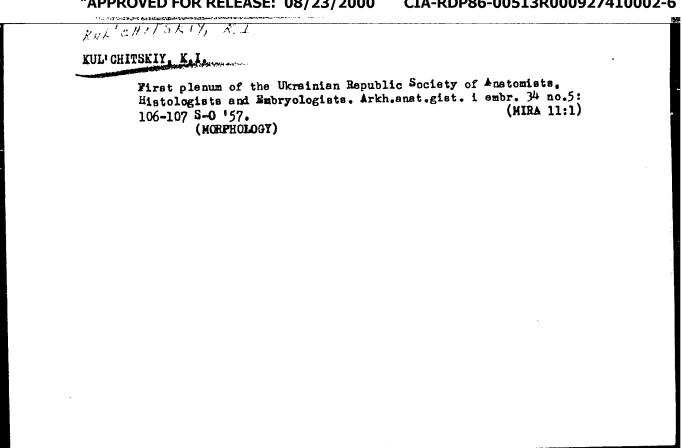
38

POLAND / Microbiology. Microorganisms Pathogonic to Humans F-3 and Animals.

Abs Jour : Rof Zhur - Biol., No 8, 1958, No 33902

Abstract : cultures by 1.64% and in secondary ones by 6.18%. The number of resistent strains increased proportionally to the number and duration of I use. Theoretically, all isolated strains should be resistent to I by 1970, if the treatment nethods are not changed in principle (a combined use of I with PASK or isonizzide should not delay formation of TB streptomycin-resistance for any length of time).

Card 2/2



USSR / Human and Animal Morphology (Normal and Pathological). S Circulatory System. Blood Vessels. : Ref Zhur - Biologiya, No 1, 1959, No. 2954 Abs Jour : Kul'chitskiy, K. I.; Chernyshonko, L. V.; Shkol'nik, B. I. Author : Not given Inst : On the Topography of the Artery of the Gallbladder Title : Vestn. khirurgii, 1957, No 6, 34-37 Orig Pub : Upon dissoction of vessels following injection with Abstract solidifying fluid substances, it was demonstrated that in humans there are 1 or 2 arteries of the gallbladder which originate from various vessels of the hepatoduodenal node. Most frequently the vesical artery (VA) is a single one and originates from the right hepatic artory. In 7 out of 279 cases VA originated from the hepatic artery proper, in 4 cases from the left hepatic, in 3 cases from the common hepatic artery, in 2 cases Cord 1/2 Chair quation surgery a topographic anatomy
30 Kine land Sand

USSR / Human and Animal Morphology (Normal and Pathological). Circulatory System. Blood Vessels. S

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2954

from the gastroducdenal, in 1 case from the right gastro-epiploic, and in 2 cases from the superior posterior pancreaticoducdenal artery. The latter was not previously noted in the literature. A double VA was present in 36 cases (12:90%). Both of them may originate from the right hepstic artery or its branches which enter the liver. In other cases the left branch of VA originated from various vessels of the hepatoducdenal node. It is characteristic of VA to have a superficial topography in relation to the bile ducts. A low ligation of VA may produce necrosis of biliary duct walls. -- N. M. Shestopalova

Card 2/2

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KULICHITSKIY, K.I., PROLIKIS, V.V.

Experimental myocardial infarct [with summary in English]:
Eksper.khir 3 no.5:22-29 S-0 '58 (NIRA 11:11)

l. Iz kafedry normal'noy fiziologii (zav. - deystvitel'nnyy chlen AMN USSR prof. G.V. Fol'bort) kafedry operativnoy khirurgii (zav prof. S.T. Novitskiy) Kiyevskogo meditsinskogo instituta i kafedry anatomii (zav. - chlen-korrespondent AMN SSSR prof. B.A. Dolgo-Saburov) Voyenno-meditsinskoy akademii imeni S.M. Kirova.

(MYOCARDIAL INFARCT, expermethod of induction in dogs (Rus))

KISELEVA, A.F., doktor med.nauk, KUL'CHITSKIY, K.I., dots.

Morphological changes in the intracardiac nervous system in myocardial infarct. (experimental and human). Vrach.delo no.8:795-799 Ag 158 (MIRA 11:8)

1. Kafedra patologicheskoy anatomii (cav. - zaslyzhenyy deyatel nauki prof. Ye.I. Chayka), kafedra topograficheskoy anatomii (zav. - prof. S.T. Novitskiy [deceased]) Kiyevskogo meditsinskogo instituta i kafedra anatomii (nachal nik - chlen-korrespondent AMN SSSR prof. B.A. Dolgo-Saburov) Voyenno-meditsinskoy arademii imeni S.M. Kirova, Leningrad. (HEART--INFARCTION)

KISELEVA, A.F., dotsent; KUL'CHITSKIY, K.I.

Morphological changes in the nerve elements of the cardiac vessels in myocardial inferct. Vrach, delo no.7:709-713 Jl '59. (MIRA 12:12)

1. Kiyevskiy meditsinskiy institut.
(CORONARY VESSELS-INNERVATION)
(HEART--INFARCTION)

KABAK, K.S.; KARUPU, B.Ya.; KUL'CHITSKIY, K.I.; LEV, I.D.; MAZHUGA, P.M.;
MANZIY, S.F.

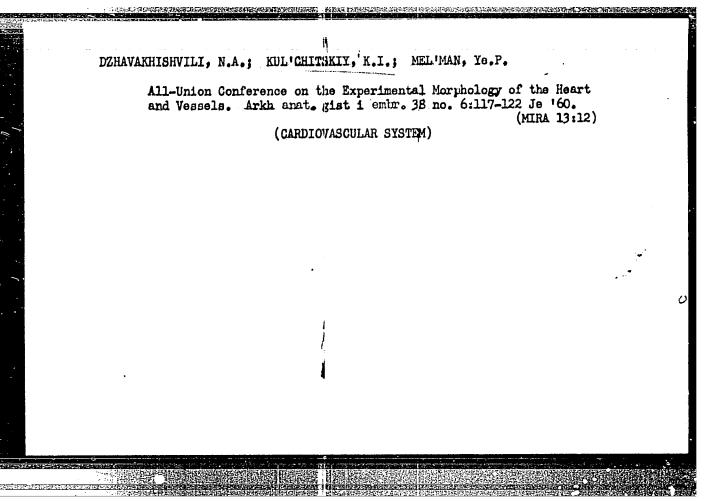
Survey of work of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists. Arkh.anat.gist. i embr. 36 no.2:95-127 F '59. (MIRA 12:4)

WUL'CHITSKIY, K.I.; MIKHAYLOV, S.S.

Work of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists. Vest.khir. 82 no.1:151-158 Ja '59.

(MIRA 12:2)

(ANATOMY--CONGRESSES)



BUSHMAKINA, Z.I.; VEHKHRATSKIY, N.S.; KONSTANTINOVSKIY, G.A.; KOSTYUK, L.V.; KUZ'MINSKAYA, U.A.; KUL'CHITSKIY, K.I.; MIL'KO, V.I.; FROL'KIS, V.V.

Neurohumoral regulation of the cardiovascular system in experimental arteriosclerosis. Vrach. delo no.1:3-11 Ja 162. (MIRA 15:2)

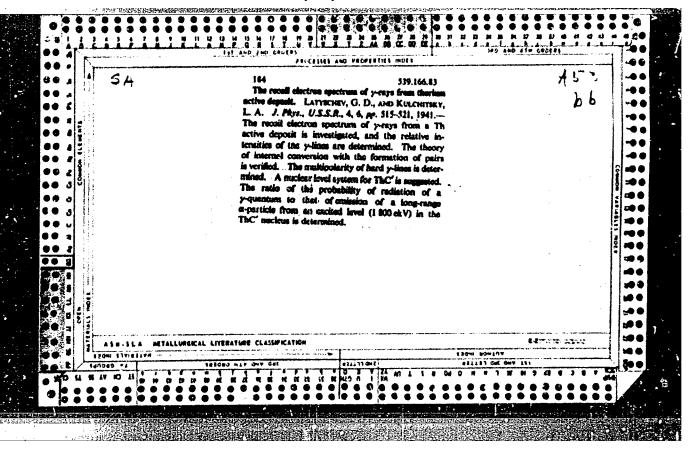
1. Institut gerontologii i eksperimental'noy patologii AMN SSSR, Kiyevskiy meditsinskiy institut. (ARTERIOSCEIROSIS) (CARDIOVASCULAR SYSTEM) (REFLEXES)

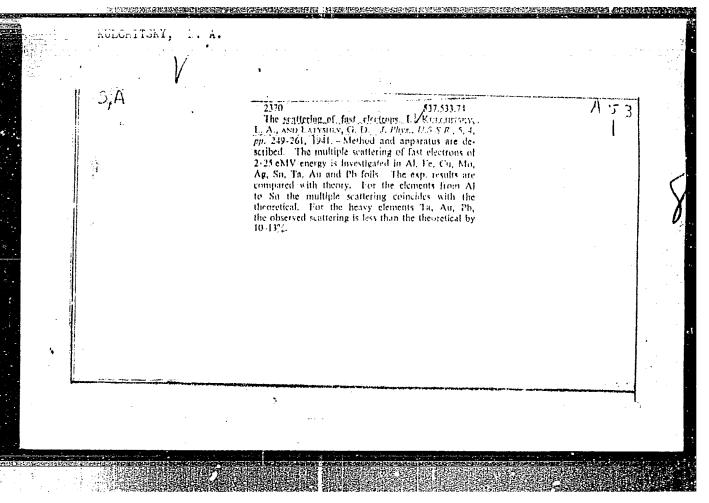
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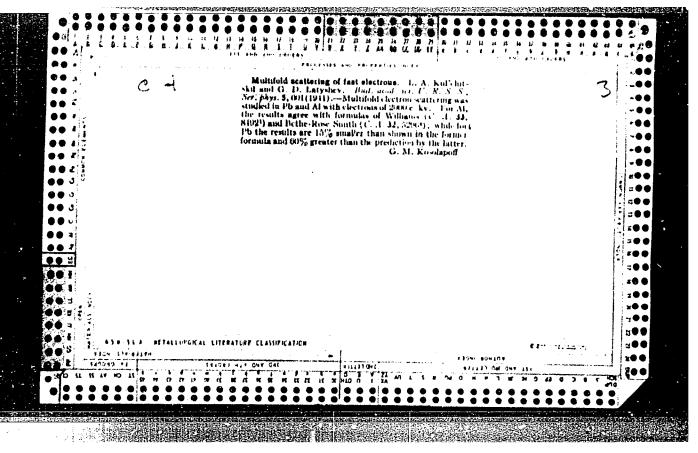
FROL'KIS, Vladimir Venisminovich, doktor med. nauk; KUL'CHITSKIY,
Konstantin Ivanovich, dots.; MIL'KO, Vasiliy Ivanovich;
dots.; KUZ'MINSKAYA, Undina Anatol'yevna, kand. med. nauk;
FEDOROV, I.I., red.; RAYZ, A.L., tekhn. red.; CHUCHUPAK,
V.D., tekhn. red.

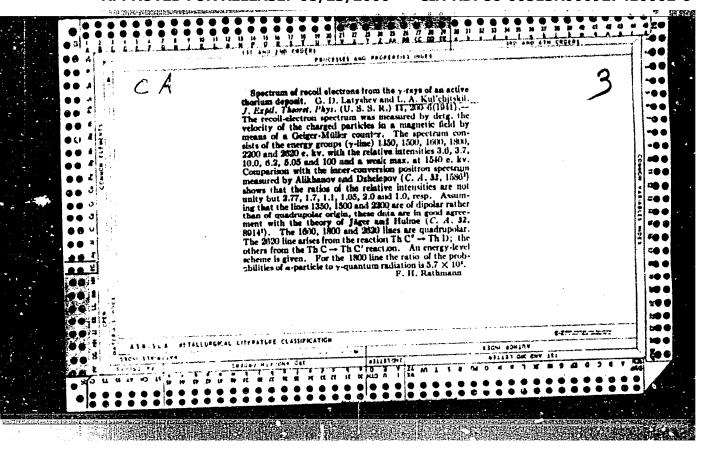
[Coronary blood circulation and experimental myocardial infarct] Koronarnoe krovcobrashchenie i eksperimental nyi infarkt miokarda. Kiev, Gosmedizdat USSR, 1962. 254 p. (MIRA 16:11)

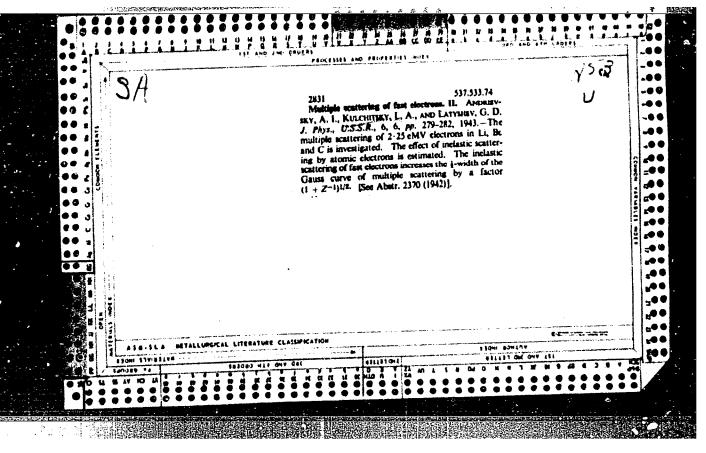
(HEART-INFARCTION) (CGRONARY VESSELS)

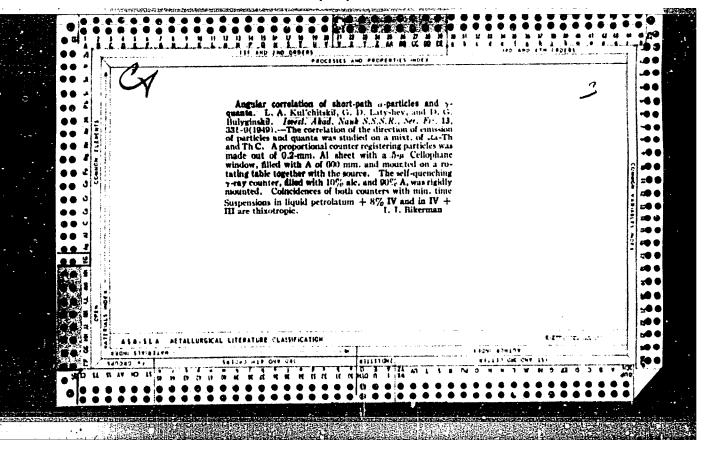


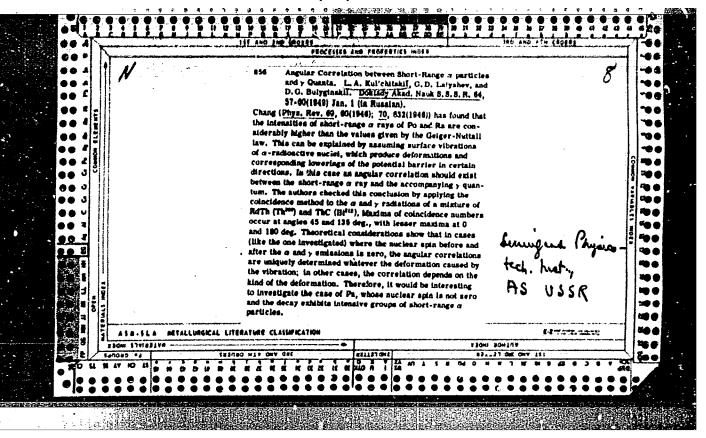


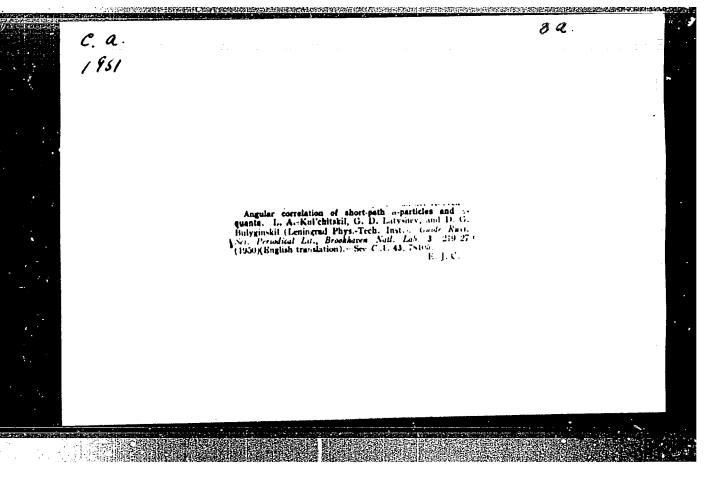


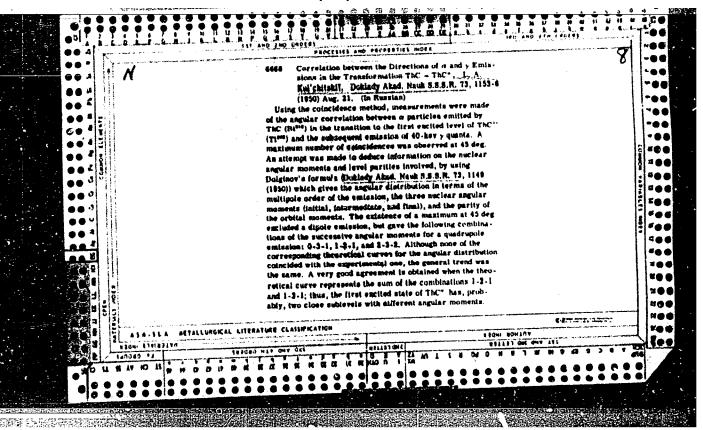


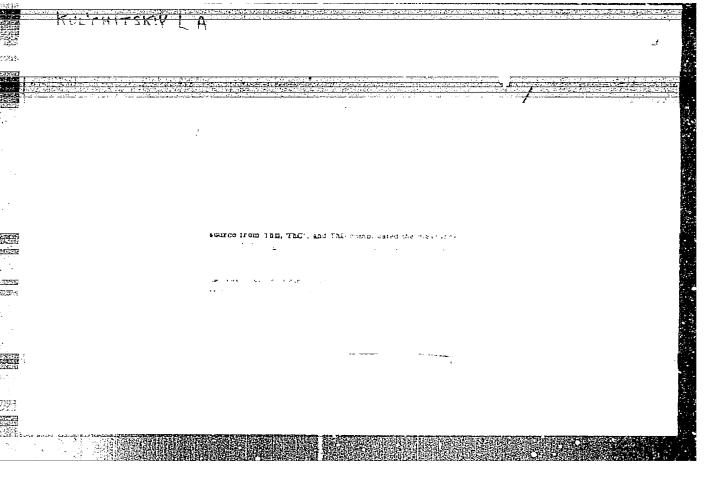












BAZHAHOV, Ye.B., CHIZHOV, V.P., KOMAR, A.P., KULICHITCKIY, L.A. VOLKOV, Yu.M., and YAVOR, I.P.

"Photodisintegration of Nuclei by Gamma-Radiation from Leningrad Synchrotron at  $60-90~{\rm Mev}$ ."

Physics Inst. im Lebedev, Acad. Sci. USSR

paper submitted at the  $\Lambda$ -U Conf. on Nuclear Reactions in Medium and Low Energy' Physics, Moscow, 19-27 Nov 57.

PA - 2648

KUL'CHITSKIY, L.A

BAZHANOV, E.B., VOLKOV, YU.M., KOMAR, A.P., AUTHOR:

KUL'CHICKIY, L.A., CHIZHOV, V.P. Angular and Energy Distribution of Fast Photoprotons from Ni and Al. TITLE:

支持性的特殊<mark>的多数数据的对抗的多数的数据的数据或数据或数据的数据数据的数据</mark>,例如这种形式的数据的数据的数据的数据的数据的数据的数据的,而是可以因此,不是可以对

(Energeticheskoye i uglovoye raspredeleniye bysterikh fotopro-

tonov iz Ni i Al, Russian).

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 1, pp 65 - 67 PERIODICAL:

(U.S.S.R.)

Received: 5 / 1957

Reviewed: 6 / 1957

ABSTRACT:

The authors investigated by the method of the scintillation telescope the angular and energy distribution of fast photoprotons from Ni and the energy distribution of photopretens from Al. The Ni and the Al were irradiated with a spectrum of y -quanta with  $E_{\text{max}} = 85 \pm 5$  MeV. The telescope consisted of a 0,026 cm thick

CsJ(T1) front crystal and RaJ(T1) rear crystal of 1,65 cm thickness, which were connected with photomultipliers. The impulses of the front and of the rear counter were investigated by means of a five-channel integral- and a five-channel differential discriminator respectively. Two curves illustrate the energy distributions of the protons emitted from Ni and Al at an angle of 900 to the bundle (in the laboratory system). The energy distribution of the protons emitted from either element have the same form  $f(E_p) \sim E_p^{-n}$ . With

pretons of more than 33 MeV n is more than twice the amount of the

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PA - 2648 Angular and Energy Distribution of Fast Photoprotons from Ni and Al.

value of n corresponding to lower energies. The position of the breaks in the energy spectrum corresponds to the breaks computed according to the theory of the Phetofission of the static deuteron. A further diagram illustrates the angular distribution of the fast protons emerging from Ni in the laboratory system for the two energy intervals of 20 - 33 and 33 - 65 MeV of proton energy. Here the degree of asymmetry in the angular distribution increases with growing proton energy. The character of the energy- and angular distributions obtained here indicates the applicability of the "quasi deuteron model" in this energy domain of J -quanta.

(3 illustrations).

ASSOCIATION: Leningrad Physical-Technical Institute of the Academy of Science

of the U.S.S.R.

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AVAILABLE: Library of Congress.

Card 2/2

21 (0)

AUTHORS: Bazhanov, Ye. B., Volkov, Yu. May

SOV/56-35-2-3/60

A SECURE OF THE SECOND SECOND

Kul'chitskiy, L. A.

TITLE:

Investigation of Protons With Energies of

15 - 65 MeV in the Photodisintegration of Al and Ni (Issledovaniye protonov s energiyami 15 - 65 MeV pri

fotorasshcheplenii Al i Ni)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,

Vol 35, Nr 2, pp 322-327 (USSR)

ABSTRACT:

The present paper is a continuation and further development of the papers (Refs 1, 2) which were published jointly by the authors and by Komar, Chizhov, and Yavor, A report is

given concerning the investigation of the angular distribution of photoprotons (Al and Ni) at a maximum bremsstrahlung energy of  $E_{\gamma}$  max = 85 MeV, as well as of the

energy distribution of Al-photoprotons at E  $_{\gamma \text{ max}}$  = 90 MeV

and various angles. Experimental arrangement:

Shielding wall made from Pb, monitor, magnet, Pb-collimator, telescope, target, camera. The protons originated from the

Card 1/3

Investigation of Protons With Energies of 15 - 65 MeV in the Photodisintegration of Al and Ni

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100 MeV-synchrotron of the FTI. Recording of photodisintegration products was carried out by two scintillation telescopes (counters) arranged opposite to each other, the target for the investigation of the angular distribution of protons was a foil with 110  $\mu$  (for Al) and 50  $\mu$  (for Ni) the diameter was 1.6 cm. The results of the investigations are shown by diagrams. Angular distribution of Al photoprotons: figure 3; angular distribution of Ni photoprotons: figure 4; (3 and 2 curves respectively for different proton energies). Energy spectrum of Al photoprotons: figure 5 calculated for  $\theta$  = 30.90, and 130°,

and figure 6 for  $\theta = 90^{\circ}$ . The results are studied and discussed from the viewpoint of the quasi-deuteron mechanism of interaction between  $\gamma$ - quanta and nuclei. There are 6 figures, 1 table, and 10 references, 6 of which are Soviet.

ASSOCIATION:

Leningradskiy fiziko-tekhnicheskiy institut (Leningrad

Physico-Technical Institute)

Card 2/3

Photo-Deuterons of Medium Energy From C<sup>12</sup> and Be<sup>9</sup>

507/56-36-2-1/63

E<sub>p</sub>>16 Mev. In the last part of the paper the results concerning deuterons are subjected to a semiempirical analysis, and calculated as well as experimental results are compared with one another (see figures 6, 7, and a table). It is assumed that the photo-deuterons are formed in the course of a rick-up process. For a rough estimation of the cross section of the (y,d) reaction on C<sup>12</sup> cross section values of the reaction (p, d) obtained by other authors are used (Refs 6, 11). The authors finally thank the synchrotron team of the FTI AN SSR (Physico-Technical Institute AS USSR) under the direction of N. N. Chernov for their help and collaboration. There are 7 figures, 1 table, and 11 references, 2 of which are Soviet.

ASSOCIATION:

Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Physico-Technical Institute of the Academy of

Sciences, USSR)

SUBMITTED:

June 26, 1958

Card 3/3

sov/56-36-2-1/63 Chizhov, V. P., Kul'chitskiy, L. A. Photo-Deuterons of Medium Energy From C12 and Be9 AUTHORS: (Fotodeytrony srednikh energiy iz C<sup>12</sup> i Be<sup>9</sup>) TITLE: Zhurnal eksperimental noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 2, pp 345-352 (USSR) PERIODICAL: The present paper investigates the energy distribution of photo-deuterons and protons and the energy dependence of the ratios of deuteron and proton yields in the photodisintegration ABSTRACT: of C12 and Be9. In the case of C12 disintegration was induced bremsstrahlung of the energy E ymax = 80 Mev and in the case of Be by bremsstrahlung with E max 90 Mev. Further, the angular distribution of deuterons and protons from Be was investigated. The particles leaving the nucleus in a photodisintegration were detected and identified by two independent telescopes of scintillation counters. Each telescope consisted of two scintillation counters connected in coincidence. In this way only such cases were recorded in which the particle had Card 1/3

Photo-Deuterons of Medium Energy From C 2 and Be Sov/56-36-2-1/63

penetrated the thin crystal of the first counter. The crystal had a thickness of 0.8 mm and consisted of NaJ(T1). In the first crystal the particles lose  $\Delta \, E \sim dE/dx$  , and in the thick crystal of the second counter, the entire remaining energy E. The recorded impulse pairs (one of which is proportional to  $\Delta$  E, the other to E) are photographed. Such a diagram of the distribution AE : E for protonn and douterons from Be? is shown by figure !. The diagram also contains the calculated distribution curves for protons, deuterons, and tritons. The experimental results published in the following have already been made known by the authors at the All-Union Conference for Nuclear Reactions for Low and Medium Energies (1957). Diagrams show the energy distribution of protons and deuterons in the case of measurements carried out with a telescope inclined at 900 to the beam of  $\Gamma$ -quantage<sup>9</sup>)(Fig 2); the same is the case with  $c^{12}$  (Fig 3); figure 4 shows the ratio of the energy dependence of the particle numbers  $N_d(E_d)/N_p(E_p)$  for Be<sup>9</sup> and C<sup>12</sup>, in all cases at

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 $\theta$  = 90°; figure 5 shows several measurements of the angular distributions of photo-deuterons and -protons at E<sub>d</sub>>18 MeV and

21.5000,24.6700,24.6800, 24.6810,16.8100,24.2600

76964 SOV/56-37-6-4/55

AUTHORS:

Kul'chitskiy, L. A., Presperin, V.

CONTRACTOR STATES AND STATES AND

TITLE:

Fast Photoneutrons From Be<sup>9</sup>, C<sup>12</sup>, and Al<sup>27</sup>

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1959,

Vol 37, Nr 6, pp 1524-1529 (USSR)

ABSTRACT:

An investigation was carried out of the angular distribution of photoneutrons with energies above 10 mev emitted by Be<sup>9</sup>, C<sup>12</sup>, and Al<sup>27</sup> targets under irradiation by 88 mev peak energy bremsstrahlung. The registration and estimation of the energy was done by the recoil proton method (cf. V. P. Chizhov, L. A. Kul'chitskiy, Zhur. eksp. i teoret. fiz., 36, 345, 1959). The background during the determination of the angular distributions and the energy distributions was \$3% and \$5% respectively. The angular distribution for each exhibited quite a strong shift in the maximum in the direction of small angles (the maxima were located at

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 $\sim$  60°). The comparison of the angular distribution

Fast Photoneutrons From  $\mathrm{Be}^9$ ,  $\mathrm{C}^{12}$ , and Al  $^{27}$ 

76964 sov/56-37-6-4/55

data with the quasi-deuteron model of K. Dedrick (cf. Phys. Rev., 100, 58, 1955) gave a qualitative accord between them. The theoretical calculations based on the direct resonance photoeffect without compensation for magnetic interactions did not accord with the experimental results. However, in the authors opinion, this fact could not completely exclude the possibility of the effect due to the direct resonance absorption of y-quanta. There is 1 schematic diagram of the setup; 5 graphs; and 15 references, 8 Soviet, 1 Canadian, 6 U.S. The 5 most recent U.S. references are: A. C. Odian, P. C. Stein, A. Wattenberg, B. T. Feld, R. Weinstein. Phys. Rev., 102, 837, 1956; M. Q. Barton, J. H. Smith. Phys. Rev., 110, 1143, 1958; P. S. Baranov, V. I. Gol'danskii, V. S. Roganov. Phys. Rev., 109, 1801 1958; C. Whitehead, W. R. McMurray, M. J. Aitken, N. Middlemas; C. H. Collie. Phys. Rev., 110, 941, 1958; L. Allen. Phys. Rev., 98, 705, 1955.

Card 2/3

Fast Photoneutrons From Be9, C12, and A127

76964

ASSOCIATION:

sov/56-37-6-4/55

Leningrad Phys.-Tech. Inst. Acad. Sciences USSR (Leningradskiy fiziko-tekhnicheskiy institut, Akademii nauk SSSR)

SUBMITTED:

July 2, 1959

Card 3/3

85674

S/056/60/038/006/016/049/XX B006/B070

24.632

Bazhanov, Ye. B., Kulichitskiy, L. A.

TITLE:

Investigation of High-energy Protons in the Photodis-

integration of Li6

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki.

1960, Vol. 38, No. 6, pp. 1685 - 1687

TEXT: High-energy protons (>16 Mev) emitted in the photodisintegration of Li6 were studied with a view to determine the excitation functions and the excitation probabilities for He5 and Li5. The experiments were carried out on the 100 - Mev synchrotron of FTI AN SSSR (Institute of Physics and Technology of the AS USSR). The targets were 100 mg/cm² thick and consisted of 90% Li6 and 10% Li7. Protons of energies higher than 16 Mev produced in the photodisintegration of Li6 were recorded by an arrangement described in Ref. 1 (Scintillation counter telescopes). Data were obtained on the photoproton yield as a function of gamma energies (E = 35-87 Mev) for five proton groups

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Investigation of High-energy Protons in the Photodisintegration of Li<sup>6</sup>

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with mean energies of 16, 20, 25, 30, and 35 Mev. The width of the energy interval in each group was 20 - 25% of the average energy of the group. Fig. 1 shows the excitation functions for protons with  $\mathbf{E}_{\perp}=20$  Mev obtained from the experimental curve of the proton yield. The yield and cross section curves of other groups had analogous forms. Measurements were made for  $\theta=57.5$  and  $102.5^{\circ}$ , yet the angles had no significant effect on the results. A relatively slow change of the cross section with the quantum energy was the characteristic feature of the cross section curves at all energies. To obtain additional data, np coincidences were measured for the bremsstrahlung spectrum of the gamma quanta with E = 87 Mev. The neutrons were recorded by a scintillation counter of 6.3 cm volume filled with a solution of p-terphenyl in xylene (5g/1), The proton telescope was placed at an angle of 780 and the neutron counter at an angle of 900 with respect to the gamma beam. The efficiency of the np coincidence recording was 0.104±0.039. The degree of excitation of He<sup>5</sup> and Li<sup>5</sup> nuclei can be obtained from the contributions of the reactions Li6(yp)He5, He5 -> He4+n and Li6( $\gamma$ n)Li5, Li5-) He4+p on the basis of the energy balance. Card 2/6

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Investigation of High-energy Protons in the Photodisintegration of Li6

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The following results were obtained: The ratio of the number of coincidences to the number of recorded protons: 0.0102+0.0035; the same on the assumption of a 100% correlation of the angles of emission of neutron and proton:0.096+0.074; the same on the assumption of isotropic distribution of the angles of emission of neutrons: 0.3 - 0.4. Considering the large dimensions of the neutron counter the probability of the correlated np coincidences being essentially more than 10% of the total number of recorded protons is small. The fact that 30 to 40% of the recorded protons could be accompanied by neutrons indicates a significant production probability of He5 and Li5 nuclei in highly excited states. Fig. 2 shows the results of a measurement of proton angular distributions at E max = 87 Mev and E = 20 - 31 Mev The curve a is calculated from a formula of G. M. Shklyarevskiy (Ref. 6) which assumes a single-nucleon interaction of gamma quanta in the Li6 nucleus (curve normalized for  $\theta=60^{\circ}$ ). The curve b does not satisfactorily agree with the experimental data. Curve c was calculated on the assumption of quasi-deuteron interaction and was also normalized for 8=600 For small O this curve exceeds the experimental values Professor A. P. Komar

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85674

Investigation of High-energy Protons in the Photodisintegration of Li6

s/056/60/038/006/016/049/XX B006/B070

and N. N. Chernov of the cyclotron team are thanked for interest I. P. Yavor is mentioned. There are 2 figures and 6 references: 4 Soviet.
1 US, and 1 Dutch.

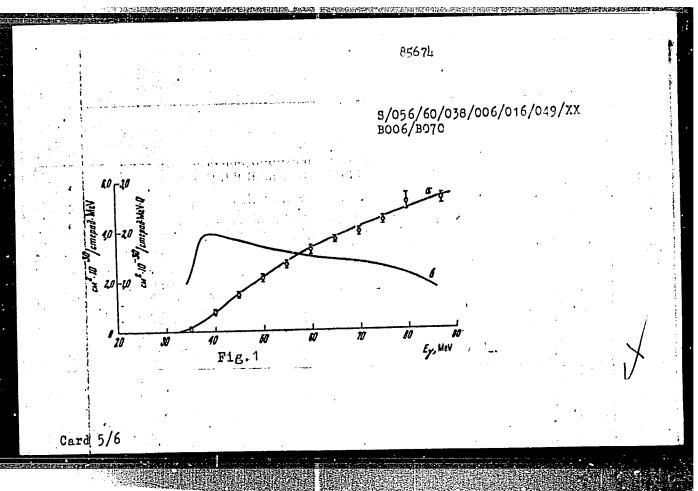


ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Institute of Physics and Technology)

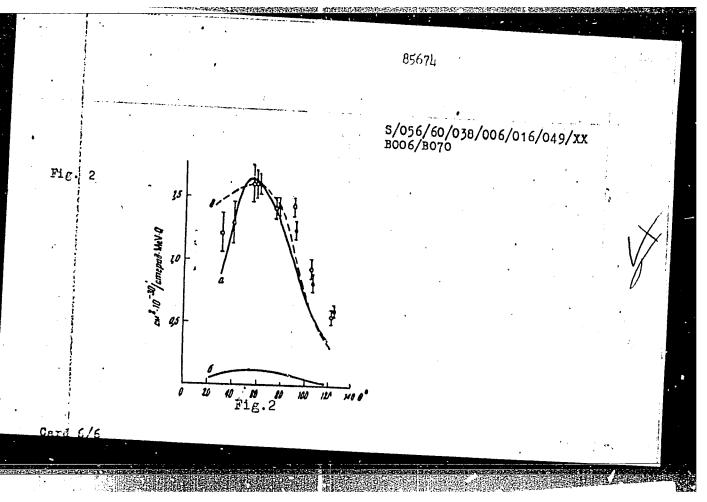
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January 8, 1960

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s/056/60/039/004/018/048 B004/B070

24.6510 AUTHORS:

Kul'chitskiy, L. A., Presperin, V.

TITLE:

Photoneutrons From Some Elements

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1960,

yol. 39, No. 4(10), pp. 1001-1004

TEXT: This work is a continuation of the photoneutron investigations begun earlier (Ref. 1). While the experimental apparatus remains unaltered, an improvement is mainly to be found in the evaluation of the experimental data. An estimate of the difference in the energy distribution of the forward and backward emitted neutrons (with respect to the gamma beam) was made. Fig. 1 shows the angular distribution of the 10-Mev photoneutrons from a lithium target. A significant shift of the maximum in the direction of small angles was observed; it is observed also for 18-Mev neutrons (Fig. 2). A comparison with the angular distribution of recoil protons (Figs. 3,4) confirms that the asymmetry of the neutron angular distribution is not caused by the apparatus. It

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Fast Photoneutrons From Some Elements

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was also observed for 10-Mev neutrons from iodine (Fig. 5). The relative neutron yields from Li, Be, O, Al, Ca, Cu, I and Bi are given in a Table. The first two have the largest yields. The authors mention a paper of G. M. Shklyarevskiy (Ref. 7). There are 4 figures, 1 table, and 7 references: 2 Soviet, 3 US, 1 Canadian, and 1 Italian.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Institute of Physics and Technology of the Academy of Sciences, USSR)

SUBMITTED:

June 23, 1960

Card 2/2

Yield curves of fast photoneutrons from C<sup>12</sup> and Al<sup>27</sup>. Zhur.eksp.i teor.fiz. 41 no.1:60-63 Jl '61. (MIRA 14:7)

1. Leningradskiy fiziko-tekhnicheskiy institut AN SSSR.

(Neutrons) (Carbon—Isotopes) (Aluminum—Isotopes)

31,002 5/056/62/042/001/017/048 B104/B102

24,6600

AUTHORS:

Volkov, Yu. M., Kullchitskiy, L. A.

TITLE:

Photonuclear reactions involving the emission of deuterons

and tritons with energies below 15 Mev

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,

no. 1, 1962, 108-114

TEXT: The absolute and relative yields of photodeuterons and phototritons

with energies below 15 Mev, emitted during bremsstrahlung-induced photodisintegration of Li $^6$ , Li $^7$ , B $^{11}$ , and Cu were determined. The p, d, and t angular distributions in Li7 photodisintegrations were also measured. The charged particles were recorded and identified with scintillation counter telescopes. In so doing, the pulse heights were measured, one of which was proportional to the energy loss AE in the thin crystal of the front counter of the telescope, while the other was proportional to the particle energy E. The crystals were placed in a vacuum chamber together

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CIA-RDP86-00513R000927410002-6" APPROVED FOR RELEASE: 08/23/2000

34002

Photonuclear reactions involving...

5/056/62/042/001/017/048 B104/B102

with the targets. When the pulses from the two crystals coincided ( $\tau \sim 0.2~\mu sec$ ), E=E( $\Delta$ E) appeared on the screen of an oscilloscope. From the resulting curves, the curves for tritons, deuterons, and protons were separated by calculation (Fig. 1). Photodeuterons are predominantly produced in complex reactions, in which one or several particles are emitted in addition to the deuterons. Both the excitation function of the Li<sup>7</sup>( $\gamma$ , t) reaction and the angular distribution of tritons fit the concept of direct dipole absorption of  $\gamma$ -quanta by the Li<sup>7</sup> nucleus which is regarded as a "triton +  $\alpha$ -particle" system. V. P. Chizhov is thanked for discussions, and the collective of the FTI synchrotron team, headed by N. N. Chernov, for assistance in the experiments. There are 5 figures, table, and 8 references: 6 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: M. E. Toms. Bibliography of Photonuclear Reactions, U.S. Naval Research Laboratory, Washington, 1960; B. Forkman, Nucl. Phys., 23, 269, 1961.

ASSOCIATION:

Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Physicotechnical Institute of the Academy of

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CIA-RDP86-00513R000927410002-6" APPROVED FOR RELEASE: 08/23/2000

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Photonuclear reactions involving ...

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Fig. 1. Distribution of the points determined experimentally during the photodisintegration of Li<sup>7</sup> (E<sub>ymax</sub> = 63 Mev).

Legend: N is the number of particles per zone.

Fig. 5. Angular distribution of protons, deuterons, and tritons with energies between 7.5 and 15 Mev, emitted during the photodisintegration of Li<sup>7</sup> by bremsstrahlung (E<sub>ymax</sub> = 63 Mev). Legend: (1) protons; (2) deuterons; (3) tritons.

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Levels in the Li<sup>7</sup> nucleus appearing in its photodisintegration.

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